

Robert Finley

File 347: JAPIO Dec 1976-2006/Dec(Updated 070403)  
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 File 348: EUROPEAN PATENTS 1978-2007/ 200722  
 (c) 2007 European Patent Office  
 File 349: PCT FULLTEXT 1979-2007/UB=20070531UT=20070525  
 (c) 2007 WIPO/Thomson  
 File 350: Derwent WPIX 1963-2007/UD=200735  
 (c) 2007 The Thomson Corporation

Set	Items	Description
S1	589190	LAYOFF OR LAYOFFS OR LAIDOFF OR (LAY OR LAYING OR LAID)()(-OFF OR OFFS) OR DOWNSIZE??? OR DOWN()(SIZE? ? OR SIZING? ?) OR SURPLUS?? OR RIF OR REDUCTION? ?(2N)FORCE OR FURLOUGH OR PAR-E()DOWN OR TERMINATE? ? OR TERMINATION? ? OR REDUNDAN??
S2	509989	EMPLOYEE? ? OR EMPLOY OR WORKER? ? OR PERSONNEL OR LABORER? ? LABOURER? ? OR STAFF OR STAFFER? ? OR STAFFING OR CONTRACT-OR? ? OR WORKM?N OR PROFESSIONAL? ? OR TECHNICIAN? ?
S3	3352748	TRACK??? OR MONITOR??? OR CAPTUR??? OR LOG OR LOGS OR LOGG-ING OR RECORD??? OR DOCUMENT???
S4	5337893	CHOICE? ? OR CHOSE? ? CHOOS??? OR SELECT??? OR SPECIFY??? -OR SPECIFIE? ? OR DESIGNAT??? OR DISTINGUISH??? OR IDENTIFY??? OR IDENTIFIE? ? OR ID OR IDENTIFICATION OR RECOGNI?
S5	2516915	INTERACTION? ? OR TRANSACTION? ? OR EXCHANG??? OR OCCURREN-CE? ? OR EVENT? ? OR ACTIVIT???
S6	1291	S1(6N)S2
S7	16655	S1(6N)S3
S8	30596	S1(6N)S4
S9	14138	S1(6N)S5
S10	32	S6 AND S7 AND S8 AND S9
S11	14	S10 AND (DIGITAL OR DIGITALLY)()(SIGN OR SIGNED OR SIGNATU-RE? ? OR CERTIFICAT? OR IDS OR ID OR IDENTITY)
S12	11	S11 AND IC=(G06F OR G06Q)

12/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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02059858

Systems and methods for secure transaction management and electronic rights protection

System und Verfahren für sichere Transaktionsverwaltung und elektronischen Rechtsschutz

Systèmes et procédés de gestion de transactions sécurisées et de protection des droits électroniques

PATENT ASSIGNEE:

Intertrust Technologies Corporation, (7330020), 955 Stewart Drive, Sunnyvale, CA 94085-3913, (US), (Applicant designated States: all)

INVENTOR:

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PATENT (CC, No, Kind, Date): EP 1662418 A2 060531 (Basic)

EP 1662418 A3 060726

APPLICATION (CC, No, Date): EP 2006075503 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; SI

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

G06F-0001/00 A I F B 20060101 20060616 H EP

ABSTRACT WORD COUNT: 165

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200622	302
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SPEC A	(English)	200622	193789
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Total word count - document A	194124
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Total word count - document B	0
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Total word count - documents A + B	194124
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INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

G06F-0001/00 A I F B 20060101 20060616 H EP

...SPECIFICATION technology.

VDE normally employs an integration of cryptographic and other security technologies (e.g. encryption, digital signatures, etc.), with other technologies including: component, distributed, and event driven operating system technology, and related...public key techniques such as RSA to protect communications and to provide the benefits of digital signature and authentication to securely bind together the nodes of a VDE arrangement, secure processing of...control information applied to extracted content may be in part or whole derived from, or employ, content control information stored remotely from the VDE installation that performed the secure extraction such...and such an appliance may have an integrated VDE installation of its own. A current transaction, recent transactions (for redundancy), or all or other selected card data may be backed up to a remote backup repository, such a VDE compatible...relate to usage of the content. The usage-related "rules and

controls" may, for example, specify what a user can and can't do with the content and how much it...and controls" are flexible, and permit "virtual distribution environment" 100 to support most "traditional" business transactions. For example:

C "Rules and controls" may specify which financial clearinghouse(s) 116 may process...provides on-the-fly decryption of information at release time

C enables a secure commercial transaction network

C flexible key management features

Scalaeable

C highly scalaeable across many different platforms

C...processing. Each row of an RPC Services Table in the preferred embodiment contains a services ID, the location of the service, and an address to which control will be passed to...the reason for the failure as the value of the function.

Example of an SPE 'Terminate Interface'Driver Call:

SPE(underscore)terminate(underscore)interface (void)

In the preferred embodiment, this function shuts down SPE Driver 736, clears all notification addresses, and terminates all outstanding requests between an SPE and an ROS RPC manager 732. It also resets...

...CLAIMS information.

3. A method as in claim 2, in which the digital file includes a digital signature or a digital certificate for verifying the authenticity of at least part of the digital file.

4. A method...

12/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01888484

Systems and methods for secure transaction management and electronic rights protection

Systeme und Verfahren zur gesicherten Transaktionsverwaltung und elektronischem Rechtsschutz

Systemes et procedes de gestion de transactions securisees et de protection de droits electroniques

PATENT ASSIGNEE:

Intertrust Technologies Corp., (2434320), 460 Oakmead Parkway, Sunnyvale, CA 94086-4708, (US), (Applicant designated States: all)

INVENTOR:

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PATENT (CC, No, Kind, Date): EP 1526472 A2 050427 (Basic)

EP 1526472 A3 060726

APPLICATION (CC, No, Date): EP 2004078254 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS (V7): G06F-017/60 ; G06F-009/46

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

G06F-0001/00 A I F B 20060101 20060616 H EP  
G06F-0009/46 A I L B 20060101 20050309 H EP  
ABSTRACT WORD COUNT: 151  
NOTE:

Figure number on first page: 75

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200517	355
SPEC A	(English)	200517	167222
Total word count - document A			167604
Total word count - document B			0
Total word count - documents A + B			167604

INTERNATIONAL PATENT CLASS (V7): G06F-017/60 ...

... G06F-009/46

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

G06F-0001/00 A I F B 20060101 20060616 H EP...

... G06F-0009/46 A I L B 20060101 20050309 H EP

...SPECIFICATION technology.

VDE normally employs an integration of cryptographic and other security technologies (e.g. encryption, digital signatures, etc.), with other technologies including: component, distributed, and event driven operating system technology, and related...encapsulate and electronically distribute content that has been at least partially secured.

Content providers who employ the present invention may include, for example, software application and game publishers, database publishers, cable...public key techniques such as RSA to protect communications and to provide the benefits of digital signature and authentication to securely bind together the nodes of a VDE arrangement, secure processing of...control information applied to extracted content may be in part or whole derived from, or employ, content control information stored remotely from the VDE installation that performed the secure extraction such...and such an appliance may have an integrated VDE installation of its own. A current transaction, recent transactions (for redundancy), or all or other selected card data may be backed up to a remote backup repository, such a VDE compatible...each individual user and/or group within the office, or it may permit only specified employees and/or groups to access certain information.

Figure 1 also shows an information delivery service...VDE participant. For example, a content user 112 generally can't change "rules and controls" specified by a distributor 106 that require the user to pay for content usage at a...provides on-the-fly decryption of information at release time

C enables a secure commercial transaction network  
C flexible key management features

Scalaeable

C highly scalaeable across many different platforms  
C...new version or instance of an operating system would include the requirements of VDE metering/ transaction management in addition to other requirements (if any) that they use to form their design...the reason for the failure as the value of the function.

Example of an SPE " Terminate Interface"Driver Call: SPE(underscore)  
terminate (underscore)interface (void)

In the preferred embodiment, this function shuts down SPE Driver 736, clears...

...503 (e.g., by a warm reboot of SPU 500) after all requests are resolved.

Termination of driver 736 should be performed by ROS 602 when the operating system is starting...

...CLAIMS used in verifying the authenticity of at least part of the digital file comprises a digital signature or a digital certificate.

7. The method of claim 5, wherein at least part of the digital file is...

12/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01869029

Systems and methods for secure transaction management and electronic rights protection

Systeme und Verfahren zur gesicherten Transaktionsverwaltung und elektronischem Rechtsschutz

Systemes et procedes de gestion de transactions securisees et de protection de droits electroniques

PATENT ASSIGNEE:

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INVENTOR:

Ginter, Karl L., 10404 43rd Avenue, Beltsville, Maryland 20705, (US)

Shear, Victor H., 5203 Battery Lane, Bethesda, Maryland 20814, (US)

Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, California 94530, (US)

Van Wie, David M., 1250 Lakeside Drive, Sunnyvale, California 94086, (US)

LEGAL REPRESENTATIVE:

Smith, Norman Ian et al (36041), fJ CLEVELAND 40-43 Chancery Lane, London WC2A 1JQ, (GB)

PATENT (CC, No, Kind, Date): EP 1515216 A2 050316 (Basic)  
EP 1515216 A3 050323

APPLICATION (CC, No, Date): EP 2004078194 960213;

PRIORITY (CC, No, Date): US 388107 950213

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 861461 (EP 96922371)

INTERNATIONAL PATENT CLASS (V7): G06F-001/00 ; G06F-017/60

ABSTRACT WORD COUNT: 144

NOTE:

Figure number on first page: 75C

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200511	276
SPEC A	(English)	200511	167210
Total word count - document A			167486
Total word count - document B			0
Total word count - documents A + B			167486

INTERNATIONAL PATENT CLASS (V7): G06F-001/00 ...

... G06F-017/60

...SPECIFICATION technology.

VDE normally employs an integration of cryptographic and other security technologies (e.g. encryption, digital signatures, etc.), with other technologies including: component, distributed, and event driven operating system technology, and related...encapsulate and electronically distribute content that has been at least partially secured.

Content providers who employ the present invention may include, for

example, software application and game publishers, database publishers, cable...public key techniques such as RSA to protect communications and to provide the benefits of digital signature and authentication to securely bind together the nodes of a VDE arrangement, secure processing of...and such an appliance may have an integrated VDE installation of its own. A current transaction, recent transactions (for redundancy), or all or other selected card data may be backed up to a remote backup repository, such a VDE compatible...VDE participant. For example, a content user 112 generally can't change "rules and controls" specified by a distributor 106 that require the user to pay for content usage at a ...provides on-the-fly decryption of information at release time  
C enables a secure commercial transaction network  
C flexible key management features

#### Scalaeble

C highly scalaeble across many different platforms  
C...or content creator. Modification and update of existing control structures is preferably also a controllable event subject to auditing and control information.

ROS 602 provided by the preferred embodiment validates control...

...new version or instance of an operating system would include the requirements of VDE metering/ transaction management in addition to other requirements (if any) that they use to form their design...the reason for the failure as the value of the function.

Example of an SPE " Terminate Interface"Driver Call: SPE(underscore) terminate (underscore)interface (void)

In the preferred embodiment, this function shuts down SPE Driver 736, clears...

...503 (e.g., by a warm reboot of SPU 500) after all requests are resolved.

Termination of driver 736 should be performed by ROS 602 when the operating system is starting...

12/3,K/4 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01153716 \*\*Image available\*\*

SEMANTIC KNOWLEDGE RETRIEVAL MANAGEMENT AND PRESENTATION  
SYSTEME ET PROCEDE POUR UNE EXTRACTION, UNE GESTION, UNE CAPTURE, UN PARTAGE, UNE DECOUVERTE, UNE DISTRIBUTION ET UNE PRESENTATION DE CONNAISSANCES SEMANTIQUES

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

BLACK Richard T (agent), Black Lowe & Graham PLLC, 816 Second Avenue,  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200475466 A2-A3 20040902 (WO 0475466)

Application: WO 2004US4674 20040217 (PCT/WO US04004674)

Priority Application: US 2003447736 20030214

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO

RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 160617

Main International Patent Class (v7): G06F-017/30  
Fulltext Availability:  
Detailed Description

#### Detailed Description

... a property sheet'as shown in other Figures).

FIGURE 17 shows how a user would select a profile when creating a request with the "Create Request Wizard."

3

FIGURE 18 shows...request document as an attachment in email or Instant Messenger.

22

A sharable smart request document is a binary document that encapsulates SQL (via a secure stream in the binary format...information or time axes.

However, as the user navigates, he/she might be presented with redundant information. For instance, the user can navigate from a local document to 'Breaking News' and...

...same pages over and over again from different 'angles.'

The Nervana semantic browser handles this redundancy problem by having a local cache of recently presented results. The Presenter then indicates redundant results to the user by showing the results in a different color or some other...

...Category Folder - this allows the user to select a category folder or taxonomy.

When this selection is made, the categories for the selected category folder are displayed in the categories tree view.

5. Search categories - this allows the...

...keywords with which to filter the currently displayed categories. For instance, a Pharmaceuticals researcher could select the Pharmaceuticals taxonomy but then enter the keyword "anatomy" to display only the entries in...the KIS is processing the download, the KIS should ignore that report (since it is redundant).

This alternate technique could be roughly characterized as lazy consistency checking. In some situations, it...targets>

<categories>

<category

name="reuters

pharmaceuticals

biotechnology"

reftype="uri"

ref="kdsp://reuters.com/categories.wsd1? id =4.5"

<category

name="reuters

phannaceuticals

life-sciences"  
reftype="uri"  
ref="//reuters.coin/categories...

...meiadata, the query is ready for consumption once the metadata is inserted into the SQL document. However, the link that the object refers to might not exist the day after the...raw query is:  
SELECT OBJECTID FROM OBJECTS WHERE OBJECTTYPEID = 5,  
and the denial query is.

SELECT OBJECTID FROM OBJECTS WHERE OWNERUSERNAME <>  
4JOHNDOE%

The final raw query (which is that the SQP...of a user as well as the privacy policies of a web site. RDF with digital signatures is preferably a component of building the "web of Trust" for electronic commerce, collaboration, and...

...describing bibliographic resources, for example, descriptive attributes including "author", "title", and "subject" are common. For digital certification, attributes such as "checksum" and "authorization" are often required. The declaration -of these properties (attributes...

...that a certain person wrote (or agrees with) a document or statement. Users can preferably digitally sign all of their RDF statements. That way, users can be sure that they wrote them...

12/3,K/5 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01000979 \*\*Image available\*\*

PFN/TRAC SYSTEM FAA UPGRADES FOR ACCOUNTABLE REMOTE AND ROBOTICS CONTROL  
PERFECTIONNEMENTS FAA AU SYSTEME PFN/TRAC<SP>MD</SP> POUR LE CONTROLE  
RESPONSABLE A DISTANCE ET ROBOTIQUE POUR L'ELIMINATION DE L'UTILISATION  
NON AUTORISEE D'AERONEFS ET POUR L'AMELIORATION DE LA GESTION  
D'EQUIPEMENT ET DE LA SECURITE PUBLIQUE DANS LE DOMAINE DU TRANSPORT

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200329922 A2-A3 20030410 (WO 0329922)

Application: WO 2002US30857 20021001 (PCT/WO US02030857)

Priority Application: US 2001325538 20011001; US 2001330085 20011019

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CZ DE DK DM DZ EC  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL  
TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext word Count: 133713

Main International Patent Class (v7): G06F-019/00



International Patent Class (v7): G06F-007/00

Fulltext Availability:

Detailed Description

Claims

#### Detailed Description

... and protect an RC capable or robotics flight aircraft.

The next major hurdle is system **redundancy** and control of the dispersed isolated systems.

Aircraft, because of the catastrophic results of a...aircraft PFNs are likewise hardwired and dispersed to any appropriate avionics bus for flight system **activity** control, **redundancy** and integrity checks. There are also separate ...would be in contact with the troubled robotics flight with in minutes of the **FACT event** take over. This pursuit/ assist flight would be able to determine control of the aircraft ...individual respect via levels of secure accountable access to memory storage, with the strictest of **professional** procedures, protocols and penalties for any improprieties, so as the need arises to handle specific ...life test platform is created to evaluate prototype technologies in the field. Additionally, inexpensive wireless **redundant** to monitor and progressively manage and control operations as a backup is a decided advantage when using...aircraft the IA PFN/TRAC controller/router may be the only other system capable of performing **redundant** activities. The essential flight systems will be interfaced via a higher-level interface program running in...figure 15) is similar to this proposed integrated IA aircraft TRAC circuit. The Ia carryon **TRACKER** brief case series will be responsible for final and specific IA PFN ASIC in figure...are charged with homeland defense and they alone must have the sole capacity control and **terminate** a **FACT event**. All other agencies and authorities stand second to military control and the President's Executive...protocols software and firmware to construct a final PFN/TRAC unit as desired architecture is **identified** standardized and made more universal these ideal components and software and systems will be constructed...continue to monitor people, equipment and material, movement. The second objective is to introduce a **redundant** communication technology that can accountably perform control functions from a protected secure architecture to assist...person or materials or substances in the aircraft during flight as well as, serve as **redundant** aeronautical operational data link to provide flight telemetry. One immediate benefit of **TRACKER** is that...a bother to standard air operations. Proper human interface procedures first between security and flight **staff** and then technical joining of these systems and personnel can come via appropriate testing protocol...management and security. The result will be one integrated system with plenty of parallel, and **redundant** backups. Included are more secure communications with real action plans that are both informative and...operations in transportation like the nations railroads. First generation PFNs in these applications supply parallel **redundant** data to improve public safety initially then progressively perform additional isolated functions with new robust...must also be capable of withstanding high heat and radiation or EMFs generated in explosive **terminations** of flights. The outer shell must be constructed of dent resistant material but resilient enough...system checks and downloads this information to service and maintenance centers. Specially qualified security service **personnel** perform all service on PFNs. Additionally, all circuits are monitored for their current levels. The...capacity to receive cellular transmissions (with a set of local wireless protocol data links chipset). **Identify** their ESN address and **terminate** their use locally if they were unauthorized, or experiencing mal functions, or in an un...the plug in hybrid substrate chipsets and any translation programs running in the Trusted remote **activity** controller/router for Emergency Action Messaging that is translated between disparate protocols. This is termed...the Local Event Storage Memory. This is termed the System Function Data. The level of **redundancy** in storage of System Function Data and the level of additional feedback and

checking required...their business requirement and protocols and any standards efforts rules regulations or law. In any event, local, **redundant** storage of both types of **events** is always contained within the PFN ...Provides Accountability Requirements, Aggressive Remote Control Functions, It is Programmable & Modular, Scaleable, provides Level of **Redundancy**, **Event** Storage, Algorithm Type is Dependent on Application Accountability Requirements, Resides in PFN (PFN Provides Physical...and protocols to be determined) This accountable machine-messaging network creates a security matrix of **redundant** human and automated **monitoring** with real-time accountable remote control ... cams that capture snapshots jpegs, can download to 15 the TRAC processor and simple **ID** card swipe data can be connected to the TRAC processor and buffer to deliver packet...interfaces the latest cellular protocols like Nextel, and ATT uses Motorola's shareware protocols with **digital** paging, digital 2 way radio and TDMA digital cellular ARINC and Motorola's iden share...telecommunications manufacturers in developing (personal PFNS), a patented and protected accountable remote control and personal **tracking** technology. (FACT), a security control component of the PFN/TRAC System, performs security functions through...of the area. Additionally, the victims can be outfitted with a mobile page and/or **Track** system warned directly of a past ex-cons close proxim-dty. Additionally, the victim and community can **track** the parolee on a public system by contacting their state and local web page. Or...

Claim

... and FACT Security program, wherein the TRACKer first enters the system with passive parallel and **redundant** messaging and then processes more robust **activity** commands and control to disconnected actuators in a test and record analysis mode for safety...

12/3,K/6 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00814145

A METHOD FOR EXECUTING A NETWORK-BASED CREDIT APPLICATION PROCESS  
PROCEDE DE MISE EN OEUVRE D'UN PROCESSUS DE DEMANDE DE CREDIT EN RESEAU  
Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

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52037, Palo Alto, CA 94303, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200146889 A2 20010628 (WO 0146889)

Application: WO 2000US35216 20001222 (PCT/WO US0035216)

Priority Application: US 99470805 19991222; US 99469525 19991222; US  
99470039 19991222

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK DM DZ EE ES FI GB GE  
GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK  
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU  
ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 98671

Main International Patent Class (v7): G06F-017/60

Fulltext Availability:  
Detailed Description  
Claims

#### Detailed Description

... form detailing the negotiated terms is displayed in operation 2604.  
The buyer and seller may **digitally sign** the form in operation 2606.  
Documents supporting the form are organized and stored in operation...  
data from third party providers of credit ratings  
Authentication  
o TradeDirect will authenticate participants using **digital certificates**  
Some of the benefits these services will provide for buyers, sellers, and for transacting, include...factor of, ten for many tasks. The improvements come in two categories.

- \* The elimination of **redundant** and non value-added tasks

- \* The streamlining of useful tasks

While it seems intuitive that most tasks can be streamlined, the following list gives a few examples of **redundant** tasks that must be eliminated.

Analysis to determine how to merge the uncoordinated changes...and the kinds of contents it should hold.

- \* Perform regular clean-up, by backing up **redundant** or misplaced files and then removing them.

#### Media Content Management (8106)

The unique nature of...an unsecured channel such as the Internet.

Public key infrastructure - provides public-key encryption and **digital signature** services.

The purpose of a public-key infrastructure is to manage keys and certificates. A PKI enables the use of encryption, **digital signatures**, and authentication services across a wide variety of applications.

Authentication system - provides a business with...and analyzing scheduled workload. Monitoring capability of past, present and future workloads as well as **tracking** of current workload **termination** notification of normal or abnormal completion.

Does the development team have any prior experience with the...

#### Claim

... assessment of the credit of the buyer

utilizing the network;

(f) allowing the seller to **digitally sign** the form utilizing the network; (g) receiving the **digitally signed** form from the seller utilizing the network; and (h) transmitting a notice to the buyer indicating that the **digitally signed** form has been received from the seller, thus initiating the agreement.

20 A method as...

12/3,K/7 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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Robert Finley

00806389

SCHEDULING AND PLANNING BEFORE AND PROACTIVE MANAGEMENT DURING MAINTENANCE  
AND SERVICE IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT  
PROGRAMMATION ET PLANIFICATION ANTICIPEE, ET GESTION PROACTIVE AU COURS DE  
LA MAINTENANCE ET DE L'ENTRETIEN D'UN ENVIRONNEMENT DU TYPE CHAINE  
D'APPROVISIONNEMENT RESEAUTE

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200139082 A2 20010531 (WO 0139082)

Application: WO 2000US32228 20001122 (PCT/WO US0032228)

Priority Application: US 99447625 19991122; US 99444889 19991122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM  
HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX  
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext word Count: 152479

Main International Patent Class (v7): G06F-017/16

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... source address, sequence number, and length. code.

The trailer is typically a technique for generating redundancy checks,  
such as a cyclic redundancy code for detecting errors. At the other end  
of the link, the receiving node strips...of checks.

The first check 3604 determines if the call is involved in a direct  
termination overflow (DTO) at the current switch 1206 For example, a DTO  
occurs when a customer...look at routing in traditional telephone  
systems. The telephone system is organized as a highly redundant,  
multilevel hierarchy. Each telephone has two copper wires coming out of  
it that go directly...switching office, and finally to the destination  
telephone. This dedicated connection exists until the call terminates.

The establishment of a completed path is a prerequisite to the  
transmission of data for...Displays static answers to popular questions  
Dynamically generates questions and answers from a knowledge base  
Tracks knowledge experts based on content authors and discussion forum  
participation Referring to operation 6606 of...

Claim

... f Network Object Da @h3roet@ck), 1 Management

Web Application

5328 Assignment of User Log Analysis V., Performance Redundancy 1

Backup @web Ap0i pFiles to Communitifies Capabilities monitoring

Capabilities Capabilities Staging9a Debugging

V21idati,,n...Hardened OS Hardened OS

Wr-N -ka 1 DM

Certificate se  
Authority Server 12204  
Digital Certificate SLV3- t Development Staging  
Server Server  
u ment Firewall In  
M-'-'rCnction Systems ncr-y...

12/3,K/8 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00761424

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PHASE DELIVERY OF  
COMPONENTS OF A SYSTEM REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE PAR PHASES  
DE COMPOSANTS D'UN SYSTEME NECESSAIRES A L'APPLICATION D'UNE TECHNIQUE

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Legal Representative:

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Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073930 A2 20001207 (WO 0073930)  
Application: WO 2000US14458 20000524 (PCT/WO US0014458)  
Priority Application: US 99321360 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ  
CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE  
EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK  
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext word Count: 149456

Main International Patent Class (v7): G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... a diagnostic presentation of a past, current, and/or desired web  
presence. By this method, **redundant** efforts and omissions among the  
components of a particular implementation of a web architecture framework  
...

...In one exemplary method to determine whether an area of an existing  
network framework has **redundant** or omitted components, a database may  
be created which includes a listing of all of...auditable transaction  
log. Privacy of all data is protected through the  
use of encryption and **digital signatures** .

Merchants offer goods and services for sale on the Internet

Robert Finley

using applets which adhere to...

...allows the use of electronic checks for  
1.8 transactions. Business I echeck server verifies digital signatures  
,  
processes checks according to the business rules of the bank (e.g. a  
check over...scale eCommerce,  
& Security extranet, and intranet applications.

Products Business2 Certificate Management System issues and manages  
digital certificates for extranet and ecommerce applications.  
Business2 Directory for Secure E-Commerce  
- expands the capabilities of...elements  
Enforcing project standards regarding repository objects  
Validating the contents of the repository to avoid redundancy and  
inconsistencies  
0 Ensuring accuracy of the repository contents so that the repository  
reflects  
the...key infrastructure is to manage keys and certificates. A PKI  
enables the use of encryption, digital signatures, and authentication  
services across a wide variety of applications.

\* Authentication system - provides a business with...receiving incidents  
from users  
informing users of known work-around where possible  
ensuring that support personnel are working on an incident  
keeping users informed of incident resolution progress  
1 5 0...

12/3,K/9 (Item 6 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00761422

BUSINESS ALLIANCE IDENTIFICATION

SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION POUR L'IDENTIFICATION D'ALLIANCES  
COMMERCIALES DANS UN CADRE D'ARCHITECTURE RESEAU

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Inventor(s):

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Legal Representative:

BRUESS Steven C (agent), Merchant, Gould, Smith, Edell, Welter & Schmidt,  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200073928 A2-A3 20001207 (WO 0073928)  
Application: WO 2000US14375 20000524 (PCT/WO US0014375)  
Priority Application: US 99320816 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 149371

Main International Patent Class (v7): G06F-017/60

Fulltext Availability:  
Detailed Description  
Claims

#### Detailed Description

... In one exemplary method to determine whether an area of an existing network framework has **redundant** or omitted components, a database may be created which includes a listing of all of...auditable transaction log. Privacy of all data is protected through the use of encryption and **digital signatures** .

Merchants offer goods and services for sale on the Internet using applets which adhere to...

...allows the use of electronic checks for  
1.8 transactions. Business I echeck server verifies **digital signatures**, processes checks according to the business rules of the bank (e.g. a check over...scale eCommerce, & Security extranet, and intranet applications.

Products Business2 Certificate Management System issues and manages **digital certificates** for extranet and ecommerce applications.

Business2 Directory for Secure E-Commerce  
- expands the capabilities of...Enforcing project standards regarding repository objects  
0 Validating the contents of the repository to avoid **redundancy** and inconsistencies  
0 Ensuring accuracy of the repository contents so that the repository reflects the...and the kinds of contents it should hold.

" Perform regular clean-up, by backing up **redundant** or misplaced files and then removing them.

Media Content Management (106)  
The unique nature of...unsecured channel such as the Internet.

0 Public key infrastructure - provides public-key encryption and **digital signature** services. The purpose of a public-key infrastructure is to manage keys and certificates. A PKI enables the use of encryption, **digital signatures** , and authentication services across a wide variety of applications.

" Authentication system - provides a business with...

#### Claim

... N'shaark Object Data Usage - (Charge-back) It Management  
7 i@ capabilities  
1428 --G-r Log Anslys MWeliperfortillancesel I **Redundancy** Beu Web Apo  
ea  
PA,s-si nment of us is  
ro logs to Communities...

12/3,K/10 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00391508 \*\*Image available\*\*

AN AUTOMATED COMMUNICATIONS SYSTEM AND METHOD FOR TRANSFERRING INFORMATION  
BETWEEN DATABASES IN ORDER TO CONTROL AND PROCESS COMMUNICATIONS  
SYSTEME ET PROCEDE DE COMMUNICATIONS AUTOMATISES POUR LE TRANSFERT  
D'INFORMATION ENTRE DES BASES DE DONNEES A DES FINS DE COMMANDE ET DE  
TRAITEMENT DES COMMUNICATIONS

Patent Applicant/Assignee:

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JONES Kevin Benard,  
OBERLANDER Jeffrey Todd,  
BANAY Dan,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9732251 A1 19970904

Application: WO 97US3205 19970228 (PCT/WO US9703205)

Priority Application: US 96609115 19960229; US 96722314 19960927

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT  
RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN GH KE LS MW SD SZ UG AM AZ  
BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 92326

Main International Patent Class (v7): G06F-011/00

International Patent Class (v7): G06F-11:16 ...

... G06F-13:00 ...

... G06F-15:00 ...

... G06F-15:16 ...

... G06F-15:30 ...

... G06F-17:30

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... many common communications services; and which allows both parties to  
easily manage, copy, transfer, and terminate the communications  
relationship.

SUMMARY OF THE INVENTION

The disadvantages of existing ...not yet elapsed in step 76 1, or if an  
executed event did not require logging in step 764, the program  
terminates the scheduled event loop (step 767) and commences the next  
idle processing task.

ADVANCED COMMUNICATION OBJECT TYPES

The...they apply to distribution, encoding, transmission, reception and  
acknowledgment, notification, updating, data exchange, communications  
object exchange, forwarding and chaining, transfer, termination,  
event tracking, archiving, and reporting. Two additional types of  
control functions, for multinetwork communications and scheduling, will  
...is guarded by the recipient, is called the private key. Public keys  
can also be digitally "signed" so they can be authenticated via  
reference to a trusted source. The use of encryption algorithms, public



and private keys, **digital signatures**, authentication; and other topics related to secure communications is discussed generally by Bruce Schneier, Applied...

...effort necessary to compromise the security of the messages.

The authentication of public keys and **digital signatures** can also be automated via the use of authentication objects, a special type of service...mechanism is system- or consumer-controlled authentication of communications objects. This requires the use of **digital signatures** and authentication protocols for communications objects.

Such protocols are fully described in the aforementioned A12121ed... these forwarding operations could also be authenticated, which would add an element 143 with a **digital signature** verifying the identity of the forwarder. Authentication is described in the encoding control section above...of this action. When the headline of the message element (21 1, FIG, 4) is **selected**, the **termination** method 141 can produce an input form which may give the provider further options.

For...the update technique used for the communications object I IO, the provider may wish to **employ** a **termination** method 141 as a data **exchange** method. A common reason for doing this would be to ask the consumer why he...

...case of a communications object I IO representing an automobile title given above. Here a **termination** rule 140 could **specify** that, once initiated with an actual automobile title, a communications object 1 1 0 could...

...essentially the electronic equivalent of "junk mail". To prevent this, the consumer database 21 can **track** all or **selected** **terminated** communications...particular provider, not just a specific communications object I IO. Another option is for the **termination** method 141 to **track** the number of attempted transmissions for any particular communications object I IO by...An example of the second category is an authentication service object, which permits providers to **digitally sign** communications objects and permits consumers to automatically verify these **digital signatures**. An example of the third category is a payment service object, which permits a provider...3 1 0 or authentication partner server 1 3 02.

An example is authentication using **digital signatures** based on public/private keys. The first set of steps in this process are shown... database I I as an element 143 (step 4117).

The provider is now ready to **digitally sign** communications object instances 35 using the provider's private key. This process would take place...

...4121). Next the authentication method 141 uses the provider's private key to create a **digital signature** of the hash (step 1462). Finally the **digital signature** of the markup file together with the provider's public key certificate are appended to...

...portion of the authentication process takes place when a communications object instance 35 bearing a **digital signature** arrives at a consumer program 22. These steps occur as part of the communications object...

...an authentication method 141 in an authentication service object 13 1 0 to verify the **digital signature**. First, the authentication method 141 uses the authentication partner server's public key, stored as an element 143 in the authentication service object 13 1 0, to verify the **digital signature** on the provider's public key certificate (step 41 3 1 ). Since the authentication partner...

...Finally, the authentication method uses the provider's public key to verify the provider's digital signature of the hash (step 4133). If the results of step 41' )2 and 1633 match...

...data may be encrypted and signed with the authentication partner server's or provider's digital signatures in order to ensure a secure communications channel. Such data may include time/date stamps...Each update to an authentication service object 13 1 0 can be verified using a digital signature created with the existing public/private key as described above. Only after the authentication service...

Claim

... system of claim 48, wherein said encoding processes include at least one of compression, encryption, digital signatures, file formatting, and data translation.

50 The computer-based communications system of claim 48, wherein...

12/3,K/11 (Item 8 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00344642

SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS PROTECTION

SYSTEMES ET PROCEDES DE GESTION SECURISEE DE TRANSACTIONS ET DE PROTECTION ELECTRONIQUE DES DROITS

Patent Applicant/Assignee:

ELECTRONIC PUBLISHING RESOURCES INC,

Inventor(s):

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SHEAR Victor H,  
SPAHN Francis J,  
VAN WIE David M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9627155 A2 19960906

Application: WO 96US2303 19960213 (PCT/WO US9602303)

Priority Application: US 95388107 19950213

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE  
KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE  
SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ TM  
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN  
ML MR NE SN TD TG

Publication Language: English

Fulltext word Count: 207972

Main International Patent Class (v7): G06F-001/00

International Patent Class (v7): G06F-17:60

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... technology.

VDE normally employs an integration of cryptographic and other security technologies (e.g. encryption, digital signatures, 20.

etc.), with other technologies including: component, distributed, and event driven operating system technology, and...public key techniques

such as RSA to protect communications and to provide the benefits of digital signature and authentication to securely bind together the nodes of a VDE arrangement, secure processing of...such an appliance  
- 118 may have an integrated VDE installation of its own.

A current transaction, recent transactions (for redundancy), or all or other selected card data may be backed up to a remote backup repository, such a VDE compatible...behalf of a party who does not directly handle electronic content (or electronic appliance) permissions records information (for example control information inserted by a participant on behalf of a financial clearinghouse...basic functj=  
C simplifies progr  
C the same application can run on many different platforms  
Event drive  
C eases functional decomposition  
C extendible  
C accommodates state transition and/or process oriented...one or more Host Event Processing Environments (HPES") 655 and/or one or more Secure Event Processing Environments ("SPES") 503 (these environments may be generically referred to as "Protected Processing Environments...

Claim

...s location.

259. An authentication system comprising at least two electronic appliances, at least two digital certificates reflecting identity information encrypted using different certifying private keys where such certificates are stored in...

...electronic appliance, mean for the second electronic appliance to request transmission of one of the digital certificates from the first electronic appliance based at least in part on such determination, and mean...

...comprising at least two electronic appliances, an authenticating method comprising:  
1017  
issuing at least two digital certificates reflecting identification information, including the step of encrypting the two certificates using different certifying private...

...a second electronic appliance, requesting, with the second electronic appliance, transmission of one of the digital certificates from the first electronic appliance based at least in part on such determination, decrypting such...

...identity information.  
261. An authentication system comprising at least two electronic appliances, at least two digital certificates reflecting identify information encrypted using different certifying private keys where such certificates are stored in...electronic appliances, means for a second electronic appliance to request transmission of one of the digital certificates from the first electronic appliance wherein the selection of which certificate is requested is based...

...system comprising at least two electronic appliances, an authenticating method comprising:  
issuing at least two digital certificates reflecting identify information, including the step of encrypting the two digital

Robert Finley

certificates using different certifying private keys,  
storing such certificates in a first electronic appliance,  
transmitting...

...signals between electronic  
appliances,  
requesting, with a second electronic appliance,  
transmission of one of the digital certificates from the first  
electronic appliance, including the step of selecting a certificate  
based at least...